

What is claimed is:

1. A fork-lift reach truck having an extraction mast which is adapted to be
5 displaced, by means of a mast drive, towards and away from a driving portion of
the fork-lift truck on a horizontal guide, a load-carrying means which is mounted
on a side shift, a side shift guide which is supported by the extraction mast in a
height-adjustable way and is adapted to be actuated by means of a lifting and
lowering drive, which guides the side shift in a laterally movable way, and a side
10 shift drive, and an electric control and regulation device for the respective drives
which is connected to operating members for the lifting and lowering modes, the
mast extraction mode, and the side shift mode, characterized in that an analog
sensor (30) detecting the position of the side shift (20) is provided the position
signal of which is sent to the control and regulation device (34), and that the
15 control and regulation device (34) is connected to a separate operating member
for the side shift (20) or the operating member for the side shift is configured in
such a way that actuating it causes the side shift (20) to be automatically moved
to a predetermined position, preferably a middle position.
- 20 2. The fork-lift reach truck as claimed in claim 1, characterized in that the
operating member (36) for the side shift (20) is configured as a set point
transmitter which, in response to its displacement path or angle, generates a set
point signal for the control and regulation device (34).
- 25 3. The fork-lift reach truck as claimed in claim 1, characterized in that the control
and regulation device (34) sends a signal to the side shift drive (26) to move to
the predetermined position when a signal for a retraction of the mast (12) is
generated by the operating member (42) for the mast extraction and/or a signal

for the lowering of the load-carrying means (16) is generated by the operating member (44) for the lifting and lowering modes.

4. The fork-lift truck as claimed in claim 1, characterized in that the control and
5 regulation device (34) is connected to an onboard computer (46) and/or forms
part thereof, the onboard computer (34) limits the traveling and/or cornering
speed of the fork-lift truck in conformity with stability criteria and the position
signal of the sensor (30) is sent to the onboard computer (46) for a modification
10 of the traveling speed of the fork-lift truck in dependence on the position of the
side shift (20).

15

20

25